1	2
07.04.2007 to 10.04.2007	195
11.04.2007 to 18.05.2007	220
19.05.2007 to 25.12.2007	223
26.12.2007 to 18.01.2008	173
19.01.2008 to 09.05.2009	198
10.05.2009 to 24.05.2009	123
25.05.2009 to 28.07.2009	198
29.07.2009 to till date	173

(*)The figures are for 1800 to 2200 (peak) hours.

(e) and (f) Electricity is a concurrent subject under the Constitution. The supply and distribution of electricity to various sectors in a State comes under the purview of concerned State Government/State Power Utility. Government of India supplements the efforts of the State Government by establishing power stations through Central Public Sector Undertakings. Generation capacity of about 5,220 MW under the Central Sector in the Southern Region is being monitored for likely benefits during the Eleventh Plan. Kerala will get share in these stations in accordance with the prevailing guidelines for allocation of power subject to signing of Power Purchase Agreements. During April-June, 2009, Kerala experienced meager energy and peak shortage of 3.9% (174 Million Unit) and 6.8% (208 MW) respectively. The necessary steps would need to be taken by the State Government to mitigate the power shortage conditions by augmenting the power availability in short term by purchase of power from the power surplus states on bilateral basis or through traders/power exchanges and in long term by addition of generating capacity or procuring power through Case—I bidding.

Power requirement

3313. DR. (SHRIMATI) NAJMA A. HEPTULLA:
SHRI MAHENDRA MOHAN:

Will the Minister of POWER be pleased to state:

(a) whether Government has assessed the power requirement of the country, in view of rapid industrialization;

(b) what is power requirement for the agriculture sector and how Government is going to fulfil it;

(c) how much capacity addition has been effected by the States during the last three years; and

(d) how much capacity addition has been planned by the States for the current Five Year Plan and how Government is going to help them to achieve the target?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI BHARATSINH SOLANKI): (a) The 17th Electric Power Survey (EPS) Committee of India have assessed the requirement of electricity in the country keeping a high growth rate of consumption in various sectors during the Eleventh Plan period.

(b) As per 17th EPS Report, the projected consumption of electricity in respect of irrigation (agriculture) sector for the year 2009-10 to 2011-12 is given below:

2009-10	131357 Million Unit
2010-11	141775 Million Unit
2011-12	152931 Million Unit

(c) The generating capacity addition in the country during the last three years *i.e.* 2006-07 to 2008-09 is given below:

Figures in Million Unit

	2006-07	2007-08	2008-09
State Sector	1671.00	5273.00	1821.20
Private Sector	551.80	750.00	882.50
Central Sector	4630.00	3240.00	750.00
All India	6852.80	9263.00	3453.70

Note: Excluding capacity addition by MNRE and Captive Power Plants.

(d) Planning Commission has set a capacity addition target of 78,700 MW during Eleventh Plan to meet the power requirement of the country. A capacity of 15,325 MW has already been commissioned during Eleventh Plan till 13.07.2009 and a capacity of 65,285 MW is under construction. The list of state-wise capacity commissioned/being monitored for likely benefits during Eleventh Plan is enclosed as Statement (*See* below).

The steps taken by the Government to achieve the target during the Eleventh Five Year Plan are as follows:

- Bharat Heavy Electricals Limited (BHEL) has enhanced its capacity to deliver 10,000 MW of main plant equipment per annum from its earlier capacity of 6,000 MW. BHEL has also put in place an action plan to enhance capacity to deliver 15,000 MW per annum by December, 2009 and further enhance its capacity upto 20,000 MW by 2011-12 depending upon the market demand.

- A Joint Venture Agreement has been signed between NTPC Ltd. and BHEL to take up work related to Engineering, Procurement and Construction (EPC) for power plants and other infrastructure projects.

- NTPC Ltd. has entered into a Memorandum of Understanding (MoU) with Bharat Forge Limited to promote a joint venture company initially to take up manufacture of castings, forgings, fittings and high pressure piping.
- M/s L&T has already formed a Joint Venture Company with MHI, Japan for manufacture of supercritical boilers and turbine generators in India.
- M/s JSW and Toshiba have formed joint venture company for manufacture of supercritical turbine generators in India.
- Bharat Forge and Alstom have signed an agreement to form joint venture company for manufacture of supercritical turbine generators in India.
- M/s GB Engineering and Ansaldo signed an agreement to form joint venture company for manufacture of supercritical boilers in India.
- All stakeholders have been sensitized towards enlarging the vendor base so as to meet the Balance of Plants (BoP) requirements.
- To overcome the shortage of skilled manpower, 'Adopt an ITI' initiative has been taken up.

Statement

Capacity commissioned/being monitored for likely benefits during Eleventh Plan

(Figures in MW)

Sl. No.	State/UTs	Central Sector	State Sector	Private Sector	Total
1	2	3	4	5	6
1.	Delhi	0	1,500	108	1,608
2.	Haryana	1,500	1,800	0	3,300
3.	Himachal Pradesh	2,763	210	1,462	4,435
4.	Jammu and Kashmir	449	450	0	899
5.	Punjab	0	500	540	1,040
6.	Rajasthan	690	1,790	1,080	3,560
7.	Uttar Pradesh	980	2,000	2,400	5,380
8.	Uttarakhand	1,520	304	330	2,154
9.	Chandigarh	0	0	0	0
	Sub Total Northern Region	7,902	8,554	5,920	22,376

1	2	3	4	5	6
10.	Chhattisgarh	3,980	1,250	1,600	6,830
11.	Gujarat	0	2,782	5,388	8,170
12.	Maharashtra	740	2,500	1,450	4,690
13.	Madhya Pradesh	520	1,210	1,720	3,450
14.	Goa	0	0	0	0
15.	Daman and Diu	0	0	0	0
16.	Dadra and Nagar Haveli	0	0	0	0
	Sub Total Western Region	5,240	7,742	10,158	23,140
17.	Andhra Pradesh	1,000	2,444	1,275	4,719
18.	Karnataka	440	1,480	1,615	3,535
19.	Kerala	0	160	0	160
20.	Tamil Nadu	4,000	1,952	0	5,952
21.	Puducherry	0	0	0	0
	Sub Total Southern Region	5,440	6,036	2,890	14,366
22.	Bihar	3,070	0	0	3,070
23.	Jharkhand	3,050	0	0	3,050
24.	Orissa	0	150	1,200	1,350
25.	Sikkim	510	0	1,299	1,809
26.	West Bengal	4,242	2,720	250	7,212
	Sub Total Eastern Region	10,872	2,870	2,749	16,491
27.	Arunachal Pradesh	2,600	0	0	2,600
28.	Assam	750	37	0	787
29.	Manipur	0	0	0	0
30.	Mizoram	0	0	0	0
31.	Meghalaya	0	124	0	124
32.	Nagaland	0	0	0	0
33.	Tripura	726	0	0	726
	Sub Total N. Eastern Region	4,076	161	0	4,237

1	2	3	4	5	6
34.	Andaman and Nicobar Islands	0	0	0	0
35.	Lakshadweep	0	0	0	0
	Total	33,530	25,363	21,717	80,610

Power theft

3314. SHRIMATI SHOBHANA BHARTIA:
PROF. ALKA BALRAM KSHATRIYA:

Will the Minister of POWER be pleased to state:

(a) whether Government is aware that the theft of electricity is one of the major contributing factors, impacting the financial health of power utilities and growth of power sector in the country;

(b) if so, the details thereof;

(c) whether aggregate, technical and commercial (AT&C) losses in power sector have increased during the last few years;

(d) if so, the details thereof; and

(e) the steps taken by Government to reorganize the State regulatory bodies and to check AT&C losses?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI BHARATSINH SOLANKI): (a) and (b) Yes, Sir. Theft of electricity is one of the major contributing factors impacting the financial health of power utilities and growth of power sector in the country. This also contributes to poor quality of power supply, frequent load shedding and unscheduled outages. The financial health of power utilities is also one of the criteria for assessing the viability of new investment. Theft of electricity is also an important reason for high AT&C losses in the country. All India AT&C losses stands at 33.07% during 2006-07 (as per the PFC).

(c) and (d) No, Sir.

(e) The State Electricity Regulatory Commissions, constitution and functioning are covered under the Electricity Act. However to check the AT&C losses following steps has been taken by the Government:

Government had launched Accelerated Power Development and Reforms Programme (APDRP) in the year 2002-03 in order to reduce Aggregate Technical and Commercial (AT&C) losses, improving quality of supply of power, increasing revenue collection and improving consumer satisfaction.

APDRP has been re-structured for Eleventh Plan as a Central Sector Scheme on 31.07 2008. The focus of the programme is on actual, demonstrable performance in terms of loss reduction. Projects under the scheme to be taken up in two parts. Part-A is the projects for